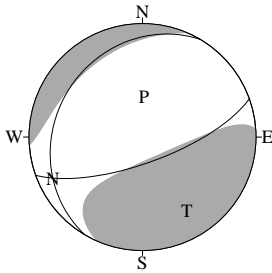


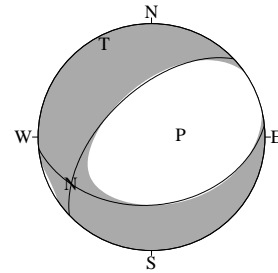
CMT SOLUTIONS FOR EARTHQUAKES IN SEPTEMBER, 2017

2017/09/03 07:45:27.9
 FAR SE OFF KURILE ISL
 Hypo.:45° 7.2'N 152°49.6'E 30km



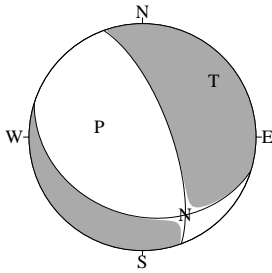
Cent.:45° 7.2'N 152°48.9'E 30km $\Delta t = 7.9$
 Mo: 4.93×10^{16} N·m Mw:5.1 Mj:5.7 (sec)
 mrr:-2.44 mtt: 2.09 mff: 0.36
 mrt:-3.54 mrf:-1.25 mtf: 2.44 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 70° 71° -75° P-axis:-4.38 2° 61°
 NP2:211° 24°-127° T-axis: 5.49 149° 25°
 N-axis:-1.10 245° 14°
 V.R.: 83% ϵ : 0.20 N:13 COMP:18

2017/09/03 18:01:50.0
 FAR E OFF FUKUSHIMA PREF
 Hypo.:37°10.5'N 143°25.5'E 50km



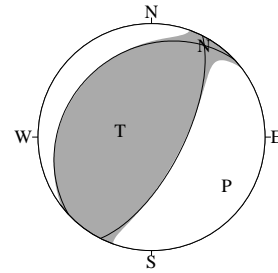
Cent.:37°10.5'N 143°26.3'E 10km $\Delta t = 0.5$
 Mo: 8.29×10^{15} N·m Mw:4.5 Mj:4.7 (sec)
 mrr:-7.29 mtt: 6.26 mff: 1.03
 mrt: 0.74 mrf: 3.67 mtf: 2.91 ($\times 10^{15}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 84° 40° -59° P-axis:-8.68 86° 69°
 NP2:226° 57°-113° T-axis: 7.89 333° 9°
 N-axis: 0.79 240° 19°
 V.R.: 87% ϵ :-0.09 N:26 COMP:37

2017/09/08 02:26:48.9
 W OFF OGASAWARA
 Hypo.:27°48.2'N 140° 7.7'E 475km



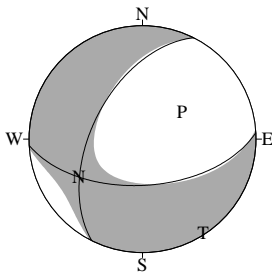
Cent.:27°44.2'N 140° 6.5'E 475km $\Delta t = 0.5$
 Mo: 1.52×10^{18} N·m Mw:6.1 Mj:6.1 (sec)
 mrr:-0.89 mtt: 0.47 mff: 0.42
 mrt: 0.17 mrf:-1.06 mtf:-0.75 ($\times 10^{18}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1:340° 70° -66° P-axis:-1.51 283° 58°
 NP2:107° 31°-138° T-axis: 1.53 52° 21°
 N-axis:-0.02 151° 23°
 V.R.: 82% ϵ : 0.01 N:29 COMP:69

2017/09/10 17:44:24.0
 S OFF URAKAWA
 Hypo.:41°45.5'N 142°52.6'E 43km



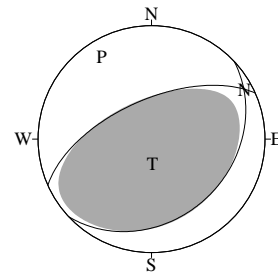
Cent.:41°47.9'N 142°54.1'E 47km $\Delta t = 4.8$
 Mo: 2.90×10^{17} N·m Mw:5.6 Mj:5.6 (sec)
 mrr: 1.99 mtt:-0.64 mff:-1.35
 mrt: 0.77 mrf: 1.83 mtf:-1.13 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 27° 67° 82° P-axis:-2.90 123° 22°
 NP2:227° 24° 109° T-axis: 2.80 282° 67°
 N-axis: 0.10 30° 8°
 V.R.: 77% ϵ :-0.04 N:21 COMP:36

2017/09/12 02:35:11.2
 IOTO ISLANDS REGION
 Hypo.:24°18.1'N 142°30.6'E 0km



Cent.:23°56.8'N 142°32.1'E 51km $\Delta t = 0.4$
 Mo: 4.30×10^{17} N·m Mw:5.7 Mj:5.9 (sec)
 mrr:-2.85 mtt: 2.44 mff: 0.40
 mrt:-1.48 mrf: 1.88 mtf: 2.40 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 87° 56° -46° P-axis:-4.50 55° 55°
 NP2:207° 53°-136° T-axis: 4.00 147° 2°
 N-axis: 0.50 239° 35°
 V.R.: 87% ϵ :-0.11 N:18 COMP:28

2017/09/14 09:27:23.5
 EASTERN SAITAMA PREF
 Hypo.:35°49.6'N 139°33.2'E 50km

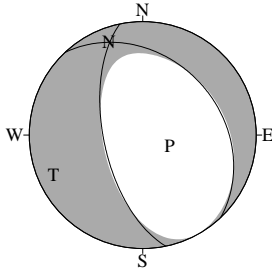


Cent.:35°48.9'N 139°33.3'E 50km $\Delta t = 0.6$
 Mo: 1.03×10^{16} N·m Mw:4.6 Mj:4.5 (sec)
 mrr: 0.88 mtt:-0.59 mff:-0.30
 mrt:-0.55 mrf:-0.14 mtf:-0.37 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 47° 30° 73° P-axis:-0.99 329° 16°
 NP2:246° 62° 100° T-axis: 1.07 178° 72°
 N-axis:-0.07 62° 8°
 V.R.: 83% ϵ : 0.07 N:29 COMP:43

EQUAL AREA PROJECTON, LOWER HEMISPHERE.

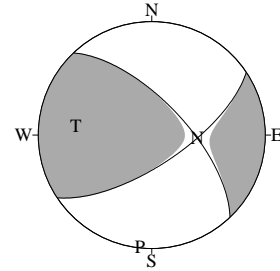
Hypo.:Location of hypocenter, Cent.:Location of centroid, Δt :Centroid time minus origin time
 Mo:Total scalar moment, Mw:Moment Magnitude, Mj:JMA Magnitude
 mrr,mtt,mff,mrt,mrf,mtf: Moment tensor components, STR,DIP,SLIP:Fault parameters of nodal plane
 MOM,AZM,PLG: Moment tensor component, azimuth and plunge of P-, T-, N-axis
 V.R.:Variance Reduction, ϵ :Non-double couple component ratio, N:Number of stations, COMP:Number of components

2017/09/19 18:33: 9.7
 BUNGO CHANNEL
 Hypo.:33°20.0'N 132°19.0'E 41km



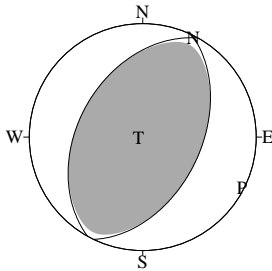
Cent.:33°20.0'N 132°19.0'E 41km $\Delta t = 0.4$
 Mo: $4.06 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.3 Mj:4.2 (sec)
 mrr:-3.39 mtt: 0.79 mff: 2.60
 mrt: 0.21 mrf: 2.25 mtf:-1.41 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:317° 32° -117° P-axis:-4.23 112° 69°
 NP2:168° 62° -74° T-axis: 3.89 246° 15°
 N-axis: 0.34 340° 14°
 V.R.: 86% ϵ :-0.08 N:16 COMP:17

2017/09/20 18:01:53.1
 NEAR TORISHIMA IS
 Hypo.:30°39.5'N 141°11.4'E 49km



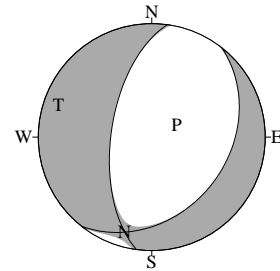
Cent.:30°39.4'N 141°14.1'E 49km $\Delta t = 0.7$
 Mo: $1.59 \times 10^{16} \text{N}\cdot\text{m}$ Mw:4.7 Mj:4.7 (sec)
 mrr: 0.45 mtt:-1.54 mff: 1.09
 mrt: 0.13 mrf: 0.75 mtf: 0.30 ($\times 10^{16} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 56° 68° 26° P-axis:-1.57 186° 1°
 NP2:316° 66° 156° T-axis: 1.61 277° 33°
 N-axis:-0.04 94° 57°
 V.R.: 83% ϵ : 0.03 N:23 COMP:37

2017/09/20 23:29:56.3
 TAIWAN REGION
 Hypo.:23°18.9'N 121°46.0'E 39km



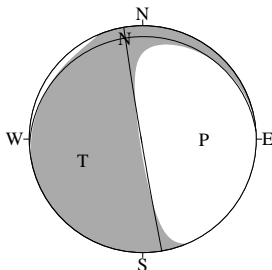
Cent.:23°12.7'N 121°45.8'E 32km $\Delta t = 1.7$
 Mo: $2.00 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.5 Mj:5.5 (sec)
 mrr: 1.98 mtt:-0.44 mff:-1.54
 mrt: 0.02 mrf: 0.18 mtf:-0.78 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 26° 47° 88° P-axis:-1.90 117° 2°
 NP2:209° 43° 93° T-axis: 2.00 262° 87°
 N-axis: 0.00 27° 2°
 V.R.: 82% ϵ : 0.02 N:6 COMP:14

2017/09/21 01:37:18.5
 FAR E OFF NORTH HONSHU
 Hypo.:38° 2.1'N 144°29.3'E 53km



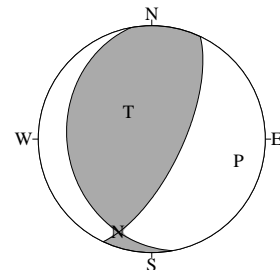
Cent.:38° 0.6'N 144°29.9'E 18km $\Delta t = 2.8$
 Mo: $2.33 \times 10^{18} \text{N}\cdot\text{m}$ Mw:6.2 Mj:6.3 (sec)
 mrr:-1.93 mtt: 0.22 mff: 1.71
 mrt:-0.17 mrf: 1.19 mtf: 0.78 ($\times 10^{18} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 38° 33° -64° P-axis:-2.35 63° 70°
 NP2:188° 61° -106° T-axis: 2.30 289° 14°
 N-axis: 0.04 196° 14°
 V.R.: 84% ϵ :-0.02 N:24 COMP:61

2017/09/25 08:31:39.6
 SATSUMA PENINSULA REGION
 Hypo.:31°16.5'N 130°26.4'E 157km



Cent.:31°12.3'N 130°26.7'E 162km $\Delta t = 1.0$
 Mo: $7.76 \times 10^{15} \text{N}\cdot\text{m}$ Mw:4.5 Mj:4.2 (sec)
 mrr:-0.60 mtt: 1.12 mff:-0.52
 mrt:-1.06 mrf: 7.55 mtf:-1.22 ($\times 10^{15} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1:266° 11° -174° P-axis:-8.11 91° 45°
 NP2:170° 89° -79° T-axis: 7.40 250° 43°
 N-axis: 0.70 350° 11°
 V.R.: 91% ϵ :-0.09 N:27 COMP:33

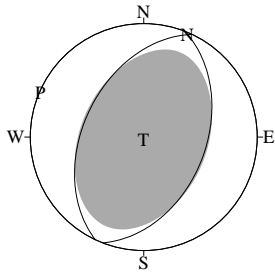
2017/09/27 05:22:11.2
 NE OFF IWATE PREF
 Hypo.:40°16.0'N 142°27.3'E 35km



Cent.:40°21.0'N 142°27.5'E 42km $\Delta t = 8.4$
 Mo: $8.10 \times 10^{17} \text{N}\cdot\text{m}$ Mw:5.9 Mj:6.1 (sec)
 mrr: 5.42 mtt: 0.54 mff:-5.96
 mrt: 3.12 mrf: 4.77 mtf:-0.86 ($\times 10^{17} \text{N}\cdot\text{m}$)
 STR DIP SLIP MOM AZM PLG
 NP1: 25° 68° 105° P-axis:-8.10 104° 22°
 NP2:169° 26° 57° T-axis: 8.10 320° 64°
 N-axis: 0.00 200° 14°
 V.R.: 81% ϵ : 0.00 N:17 COMP:28

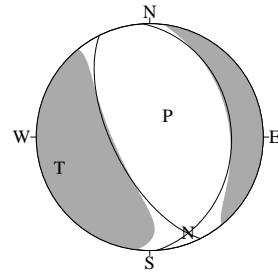
EQUAL AREA PROJECTON, LOWER HEMISPHERE.

2017/09/28 16:11:26.8
 E OFF FUKUSHIMA PREF
 Hypo.: 37°20.7'N 141°35.7'E 45km



Cent.: 37°15.6'N 141°35.8'E 48km $\Delta t = 1.4$
 Mo: 2.11×10^{16} N·m Mw: 4.8 Mj: 4.8 (sec)
 mrr: 2.22 mtt: -0.50 mff: -1.72
 mrt: -0.10 mrf: -0.01 mtf: -0.64 ($\times 10^{16}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 21° 44° 87° P-axis: -1.99 293° 1°
 NP2: 205° 46° 93° T-axis: 2.22 186° 88°
 N-axis: -0.23 23° 2°
 V.R.: 82% ϵ : 0.10 N: 26 COMP: 38

2017/09/28 20:29:45.9
 NEAR CHICHIJIMA ISLAND
 Hypo.: 28°51.6'N 141° 8.6'E 0km



Cent.: 28°50.1'N 140°59.4'E 10km $\Delta t = 3.2$
 Mo: 1.90×10^{17} N·m Mw: 5.5 Mj: 5.7 (sec)
 mrr: -1.42 mtt: -0.15 mff: 1.57
 mrt: -0.59 mrf: 0.96 mtf: -0.55 ($\times 10^{17}$ N·m)
 STR DIP SLIP MOM AZM PLG
 NP1: 356° 29° -70° P-axis: -1.80 40° 70°
 NP2: 153° 63° -101° T-axis: 2.10 251° 17°
 N-axis: -0.30 158° 10°
 V.R.: 64% ϵ : 0.13 N: 14 COMP: 25

EQUAL AREA PROJECTON, LOWER HEMISPHERE.